

# ULTRASONIC IMAGE PROCESSOR

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## Abstract of JP4348745

**PURPOSE:** To clearly and three-dimensionally display a blood vessel part, etc., in a body to be examined by providing a three-dimensional data memory, a data inverting/standardizing means for inverting and standardizing ultrasonic echo information to at least binary, and an image forming means.

**CONSTITUTION:** Ultrasonic echo data of the inside of a body to be examined, inputted by an ultrasonic diagnostic device 12 is stored in a three-dimensional data memory 16 through an input/output part 14 provided on an ultrasonic image processor 10, and moreover, through a bus 15. A central processing unit 18 connected to the bus 15 controls the three-dimensional data memory 16, and also, controls each device. Also, a high speed arithmetic part 20 executes an inversion/binarization processing and an image formation processing. Moreover, a frame memory 22 connected to the bus 15 stores temporarily formed image information, and the stored image information is read out and displayed by an indicator. In such a way, the liquid part of blood, etc., can be displayed clearly by discriminating it from other internal organ tissue.

